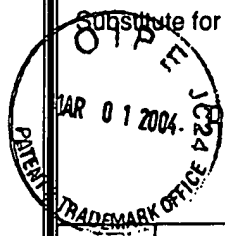


Substitute for form 1449A/PTO



**INFORMATION  
DISCLOSURE STATEMENT  
BY APPLICANT**

Sheet

1

of

12

**Complete If Known**

|                        |                       |
|------------------------|-----------------------|
| Application Number     | 10/613,527            |
| Filing Date            | July 3, 2003          |
| First Name Inventor    | Mark Schmidt et al.   |
| Group Art Unit         | 2876                  |
| Examiner Name          | n/a <i>TAYLOR, A.</i> |
| Attorney Docket Number | 108-194USANE0         |

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials | Cite<br>No. | U.S. Patent Documents |                            | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intr'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
|                      |             | Number                | Kind<br>Code (if<br>known) |  |  |                          |
| <i>JS</i>            |             | 6,182,898             |                            | Schmidt et al.   | 02/06/2001   |                          |
|                      |             | 6,158,662             |                            | Kahn et al.  | 12/12/2000   | G06K 7/10                |
|                      |             | 5,945,660             |                            | Nakasuji et al.  | 08/31/1999   | G06K 7/10                |
|                      |             | 5,828,049             |                            | Knowles et al.   | 10/27/1998   | G06K 7/10                |
|                      |             | 5,828,048             |                            | Rockstein et al.   | 10/27/1998   | G06K 7/10                |
|                      |             | 5,825,012             |                            | Rockstein et al.   | 10/20/1998   | G06K 7/10                |
|                      |             | 5,808,285             |                            | Rockstein et al.   | 09/15/1998   | G06K 7/10                |
|                      |             | 5,796,091             |                            | Schmidt et al.   | 08/18/1998   | G06K 7/10                |
|                      |             | 5,789,731             |                            | Amundsen et al.  | 08/04/1998   | G06K 7/10                |
|                      |             | 5,789,730             |                            | Rockstein et al.   | 08/04/1998   | G06K 7/10                |
| <i>JS</i>            |             | 5,786,582             |                            | Roustaei et al.  | 07/28/1998   | G02B 26/08               |

# U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | U.S. Patent Documents |                            | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intn'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
|                      |             | Number                | Kind<br>Code (if<br>known) |  |  |                          |
| H                    |             | 5,777,315             |                            | Wilz et al.  | 07/07/1998   | G06K 7/10                |
|                      |             | 5,767,501             |                            | Schmidt et al.   | 06/16/1998   | G06K 7/10                |
|                      |             | 5,756,982             |                            | Knowles et al.   | 05/26/1998   |                          |
|                      |             | 5,742,043             |                            | Knowles et al.   | 04/21/1998   | G06K 7/10                |
|                      |             | Des. 385,265          |                            | Knowles et al.   | 10/21/1997   |                          |
|                      |             | 5,736,982             |                            | Suzuki et al.  | 04/07/1998   | G06F 3/00                |
|                      |             | 5,661,292             |                            | Knowles et al.   | 08/26/1997   | G06K 7/10                |
|                      |             | 5,637,852             |                            | Knowles et al.   | 06/10/1997   | G06K 7/10                |
|                      |             | 5,627,359             |                            | Amundsen et al.  | 05/06/1997   | G06K 7/10                |
|                      |             | 5,616,908             |                            | Wilz et al.  | 04/01/1997   | G06K 7/10                |
|                      |             | 5,610,386             |                            | Ball et al.  | 03/11/1997   | G06K 7/10                |
|                      |             | 5,600,121             |                            | Kahn et al.  | 02/04/1997   | G06K 7/10                |
|                      |             | 5,591,953             |                            | Rockstein et al.   | 01/07/1997   | G06K 7/10                |

# U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | U.S. Patent Documents |                            | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intn'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
|                      |             | Number                | Kind<br>Code (if<br>known) |  |  |                          |
| H                    |             | 5,557,093             |                            | Knowles et al.   | 09/17/1996   | G06K 7/10                |
|                      |             | 5,528,024             |                            | Rockstein et al.   | 06/18/1996   | G06K 7/10                |
|                      |             | 5,525,789             |                            | Rockstein et al.   | 06/11/1996   | G06K 7/10                |
|                      |             | 5,496,992             |                            | Madan et al.   | 03/05/1996   |                          |
|                      |             | 5,484,992             |                            | Wilz et al.  | 01/16/1996   | G06K 7/10                |
|                      |             | 5,468,951             |                            | Knowles et al.   | 11/21/1995   | G06K 7/10                |
|                      |             | 5,468,949             |                            | Swartz et al.  | 11/21/1995   | G06K 7/10                |
|                      |             | 5,424,525             |                            | Rockstein et al.   | 06/13/1995   | G06K 7/10                |
|                      |             | 5,420,411             |                            | Saletto, Jr. et al.                                      | 05/30/1995   | G06K 7/10                |
|                      |             | 5,371,348             |                            | Kumar et al.   | 12/06/1994   | G06K 7/10                |
|                      |             | 5,354,977             |                            | Roustaei   | 10/11/1994   | G06K 7/10                |
|                      |             | 5,347,113             |                            | Reddersen et<br>al.                                      | 09/13/1994   | G06K 7/10                |
|                      |             | 5,340,971             |                            | Rockstein et al.   | 08/23/1994   | G06K 7/10                |

# U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | U.S. Patent Documents |                            | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intn'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
|                      |             | Number                | Kind<br>Code (if<br>known) |  |  |                          |
| A1                   |             | 5,340,973             |                            | Knowles et al.   | 08/23/1994   | G06K 7/10                |
|                      |             | 5,334,821             |                            | Campo et al.   | 08/02/1994   | G06K 5/00                |
|                      |             | 5,324,924             |                            | Cal et al.   | 06/28/1994   | G06K 7/10                |
|                      |             | 5,294,782             |                            | Kumar  | 03/15/1994   | G06K 7/10                |
|                      |             | 5,280,162             |                            | Marwin   | 01/18/1994   | G06K 7/10                |
|                      |             | 5,272,324             |                            | Blevins  | 12/21/1993   | G06K 7/10                |
|                      |             | 5,272,323             |                            | Martino  | 12/21/1993   | G06K 7/10                |
|                      |             | 5,262,627             |                            | Shepard  | 11/16/1993   | G06K 7/10                |
|                      |             | 5,260,553             |                            | Rockstein et al.   | 11/09/1993   | G06K 7/10                |
|                      |             | 5,250,792             |                            | Swartz et al.  | 10/05/1993   | G06K 7/10                |
|                      |             | 5,250,790             |                            | Melitsky et al.  | 10/05/1993   | G06K 7/10                |
|                      |             | 5,247,162             |                            | Swartz et al.  | 09/21/1993   | G06F 7/10                |
|                      |             | 5,237,161             |                            | Grodevant  | 08/17/1993   | G06K 7/10                |

# U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | U.S. Patent Documents |                            | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intr'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
|                      |             | Number                | Kind<br>Code (if<br>known) |  |  |                          |
| AT                   |             | 5,216,231             |                            | Ouchi  | 06/01/1993   | G06K 7/10                |
|                      |             | 5,212,370             |                            | Wittensoldner et<br>al.                                  | 05/18/1993   | G06K 7/10                |
|                      |             | 5,206,492             |                            | Shepard et al.   | 04/27/1993   | G06K 7/01                |
|                      |             | 5,198,650             |                            | Wilke, Jr.   | 03/30/1993   | G06K 7/10                |
|                      |             | 5,180,904             |                            | Shepart et al.   | 01/19/1993   | G06K 7/10                |
|                      |             | 5,157,687             |                            | Tymes  | 10/20/1992   | H04K 1/00                |
|                      |             | 5,155,346             |                            | Doing et al.   | 10/13/1992   | G06K 7/10                |
|                      |             | 5,153,417             |                            | Sakai et al.   | 10/06/1992   | G06K 7/10                |
|                      |             | 5,149,950             |                            | Swartz et al.  | 09/22/1992   | G06K 7/10                |
|                      |             | 5,142,550             |                            | Tymes  | 08/25/1992   | H04K 1/00                |
|                      |             | 5,132,523             |                            | Bassett  | 07/21/1992   | G06K 7/01                |
|                      |             | 5,107,100             |                            | Shepard et al.   | 04/21/1992   | G06K 7/10                |
| AT                   |             | 5,086,215             |                            | Carsner et al.   | 02/04/1992   | G06K 7/10                |

# U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | U.S. Patent Documents |                            | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intn'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
|                      |             | Number                | Kind<br>Code (if<br>known) |  |  |                          |
| A7                   |             | 5,080,456             |                            | Katz et al.  | 01/14/1992   | G02B 26/10               |
|                      |             | 5,075,538             |                            | Swartz et al.  | 12/24/1991   | G06K 7/10                |
|                      |             | 5,065,003             |                            | Wakatsuki et al.   | 11/12/1991   |                          |
|                      |             | 5,059,777             |                            | Wittensoldner et<br>al.                                  | 10/22/1991   | G06K 7/10                |
|                      |             | 5,047,617             |                            | Shepard et al.   | 09/10/1991   | G06K 7/10                |
|                      |             | 5,029,183             |                            | Tymes  | 07/02/1991   | H04B 15/00               |
|                      |             | 5,021,641             |                            | Swartz et al.  | 06/04/1991   | G06K 7/10                |
|                      |             | 5,019,698             |                            | Jay  | 05/28/1991   | G06K 7/10                |
|                      |             | 5,017,765             |                            | Shepart et al.   | 05/21/1991   | G06K 7/10                |
|                      |             | 5,015,833             |                            | Shepard et al.   | 05/14/1991   | G06K 7/10                |
|                      |             | 4,970,379             |                            | Danstrom   | 11/13/1990   | G06K 7/14                |
|                      |             | 4,962,980             |                            | Knowles  | 10/16/1990   | G02B 26/10               |
|                      |             | 4,958,894             |                            | Knowles  | 09/25/1990   | G02B 26/10               |

# U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | U.S. Patent Documents |                            | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intn'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
|                      |             | Number                | Kind<br>Code (if<br>known) |  |  |                          |
| A1                   |             | 4,935,610             |                            | Wike, Jr.  | 06/19/1990   | G06K 7/10                |
|                      |             | 4,933,538             |                            | Heiman et al.  | 06/12/1990   | G06K 7/10                |
|                      |             | 4,930,848             |                            | Knowles  | 06/05/1990   | G02B/10                  |
|                      |             | Des. 305,885          |                            | Barkan et al.  | 02/06/1990   |                          |
|                      |             | 4,897,532             |                            | Swartz et al.  | 01/30/1990   | G06K 7/10                |
|                      |             | 4,877,949             |                            | Danielson et al.   | 10/31/1989   | G06K 7/10                |
|                      |             | 4,845,349             |                            | Cherry   | 07/04/1989   | G04K 7/10                |
|                      |             | 4,835,374             |                            | Swartz et al.  | 05/30/1989   | G06K 7/10                |
|                      |             | 4,825,057             |                            | Swartz et al.  | 04/25/1989   |                          |
|                      |             | 4,816,660             |                            | Swartz et al.  | 03/28/1989   | G06F 7/10                |
|                      |             | 4,806,742             |                            | Swartz et al.  | 02/21/1989   | G06K 7/10                |
|                      |             | 4,766,299             |                            | Tierney et al.   | 08/23/1988   |                          |
|                      |             | 4,766,297             |                            | McMillan   | 08/23/1988   |                          |

# U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | U.S. Patent Documents |                            | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intn'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
|                      |             | Number                | Kind<br>Code (if<br>known) |  |  |                          |
| H                    |             | 4,760,248             |                            | Swartz et al.  | 07/26/1988   | G06K 7/10                |
|                      |             | 4,736,095             |                            | Shepard et al.   | 04/05/1988   |                          |
|                      |             | 4,713,785             |                            | Antonelli et al.   | 12/15/1987   | G06F 15/24               |
|                      |             | 4,673,805             |                            | Shepard et al.   | 06/16/1987   | G06K 7/10                |
|                      |             | 4,647,143             |                            | Yamazaki et al.  | 03/03/1987   | G02B 26/10               |
|                      |             | 4,639,606             |                            | Boles et al.   | 01/27/1987   | G06K 7/10                |
|                      |             | 4,621,189             |                            | Kumar et al.   | 11/04/1986   | G06K 7/10                |
|                      |             | 4,593,186             |                            | Swartz et al.  | 06/03/1986   | G06K 9/24                |
|                      |             | 4,575,625             |                            | Knowles  | 03/11/1986   | G06K 7/10                |
|                      |             | 4,570,057             |                            | Chadima, Jr. et<br>al.                                   | 02/11/1986   | G06K 7/10                |
|                      |             | 4,521,678             |                            | Winter   | 06/04/1985   | G06K 7/10                |
|                      |             | 4,496,831             |                            | Swartz et al.  | 01/29/1985   | G06K 7/10                |
| H                    |             | 4,465,926             |                            | Apitz et al.   | 08/14/1984   |                          |

# U.S. PATENT DOCUMENTS

| Examiner<br>Initials | Cite<br>No. | U.S. Patent Documents |                            | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intr'l Class / Sub Class |
|----------------------|-------------|-----------------------|----------------------------|--|--|--------------------------|
|                      |             | Number                | Kind<br>Code (if<br>known) |  |  |                          |
| AT                   |             | 4,460,120             |                            | Shepard et al.   | 07/17/1984   | G06K 9/24                |
|                      |             | 4,431,912             |                            | Dickson et al.   | 02/14/1984   | G06K 7/10                |
|                      |             | 4,409,470             |                            | Shepard et al.   | 10/11/1983   | G06K 7/10                |
|                      |             | 4,387,297             |                            | Swartz et al.  | 06/07/1983   | G06K 9/24                |
|                      |             | 4,282,425             |                            | Chadima, Jr.   | 08/04/1981   | G06K 7/10                |
|                      |             | 4,279,021             |                            | See et al.   | 07/14/1981   | G06F 15/06               |
|                      |             | 4,240,064             |                            | DevChoudhury   | 12/16/1980   | G06K 7/14                |
|                      |             | 4,086,476             |                            | King   | 04/25/1978   | G06K 7/10                |
| AC                   |             | 4,072,859             |                            | McWaters   | 02/07/1978   | H01J 39/12               |

| PUBLICATIONS         |             |  |
|----------------------|-------------|--|
| Examiner<br>Initials | Cite<br>No. | Description  |
| <i>AT</i>            |             | The web-based publication entitled "POCKET-SIZED COMPUTING FOR MOBILE INDUSTRY PROFESSIONALS" by Symbol Technologies, Inc., <a href="http://www.smbol.com/wp/stwp0006.htm">http://www.smbol.com/wp/stwp0006.htm</a> , 1998, pages 1-3. |
| <i>AT</i>            |             | The 1998 press release entitled "SYMBOL ADDS FUNCTIONALITY TO PALMPILOT" by Symbol Technologies, Inc., <a href="http://www.symbol.com/press.100pr.htm">http://www.symbol.com/press.100pr.htm</a> , March 23, 1998, pages 1-2.          |
| <i>AT</i>            |             | The product brochure for the MH290 HAND HELD LASER SCANNER by Metrologic Instruments, Inc., 1987, pages 1-2.   |
| <i>AT</i>            |             | The technical publication entitled "HAND-HELD HOLOGRAPHIC SCANNER HAVING HIGHLY VISIBLE LOCATOR BEAM" by R.T. Cato, IBM Technical Disclosure Bulletin, Vol. 27, No. 4, September 1984, pages 2021-2022.                                |

# FOREIGN PATENT DOCUMENTS

| Examiner<br>Initials |  | Foreign Patent Document |                         |  | Name of<br>Patentee or<br>Applicant of<br>Cited Document | Date of<br>Publication of<br>Cited<br>Document<br>MM-DD-YYYY | Intn'l Class /<br>Sub Class | T<br>• |
|----------------------|--|-------------------------|-------------------------|--|--|--|-----------------------------|--------|
|                      |  | Numbe<br>r              | Kind Code (if<br>known) |  |  |  |                             |        |
| A                    |  | JP                      | EP 460 669              |  | Osaka Works of<br>Sumitomo,<br>Osaka, Japan              | 11/12/1991   |                             |        |
|                      |  | EP                      | 0 871 138<br>A2         |  | Metrologic<br>Instruments, Inc.                          | 10/14/1998   | G06K 7/10                   |        |
|                      |  | EP                      | 0 424 976<br>A2         |  | Canon Kabushiki<br>Kaisha, Tokyo,<br>Japan               | 05/02/1991   |                             |        |
|                      |  | EP                      | 0 424 097<br>A1         |  | Fujitsu Limited  | 04/24/1991   |                             |        |
|                      |  | EP                      | 0 414 452<br>A1         |  | NCR Corporation  | 02/27/1991   |                             |        |
| A                    |  | EP                      | 0 323 848               |  | Tokyo Electric<br>Co., Ltd.; Tokyo,<br>Japan             | 07/12/1989   | G 06 K 7/10                 |        |

| PUBLICATIONS         |             |  |
|----------------------|-------------|--|
| Examiner<br>Initials | Cite<br>No. | Description                                |
| <i>AT</i>            |             | PCT Search Report for PCT/US99/28530, 1999 |
| <i>AT</i>            |             | EPO Search Report for 99 96 2976           |

EXAMINER

*April Taylor*

DATE CONSIDERED

*10/28/04*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance not considered. Include copy of this form with next communication to applicant.

(INFORMATION DISCLOSURE STATEMENT – SECTION 9 PTO-1449)